

**WIRELESS MONITORING SYSTEM OF DIAPER WETNESS, MOTION,  
TEMPERATURE AND SOUND**

**Abstract:**

A self-contained, reusable sensing device attached to a diaper, comprising conductivity sensors (**S1, S2, S3 and S4**), a capacitive sensor (**CS**), a motion sensor (**MS**), a microphone (**MIC**) and a temperature sensor (**TS**). The output of each said sensors is analyzed by a microcontroller(**MC1**). Said microcontroller output enters a wireless transmitter, which relays to a remotely monitored pager. Pager display shows visually and by sound the stream of data coming from said pager wireless receiver.